Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1. (Withdrawn) A method of promoting hair growth in a subject, comprising: providing the cell culture of claim 34, wherein the DP cell is from the subject; and grafting the DP cell from the cell culture onto the skin of the subject, ~~inducing or mimicking an effect of Wnt-promoted signal transduction in a subject,~~ thereby promoting hair growth in a subject.

2-29. (Cancelled)

30. (Withdrawn) A method of culturing a dermal papilla (DP) cell, comprising: maintaining the cell culture of claim 34 ~~culturing the DP cell in the presence of an increased level of Wnt or an agent which mimics an effect of Wnt-promoted signal transduction~~.

31-33. (Canceled)

34. (Currently Amended) A cell culture ~~media for dermal papilla (DP) cells~~, comprising: a dermal papilla (DP) cell, a cell culture medium, and a Wnt polypeptide or a functional fragment or analog thereof, in an amount sufficient to promote or maintain the DP cell in anagen phase ~~or an agent which mimics an effect of Wnt promoted signal transduction~~.

35. (Currently Amended) The culture ~~media~~ of claim 34, wherein the ~~agent~~ Wnt polypeptide is Wnt_3a.

36-47. (Canceled)

48. (New) The cell culture of claim 34, wherein the Wnt polypeptide is Wnt 3.

49. (New) The cell culture of claim 34, wherein the Wnt polypeptide is Wnt 4.

50. (New) The cell culture of claim 34, wherein the Wnt polypeptide is Wnt 7a.

51. (New) The cell culture of claim 34, wherein the Wnt polypeptide is Wnt 7b.

52. (New) A cell culture, comprising a dermal papilla (DP) cell, a cell culture medium, and a Wnt polypeptide in an amount sufficient to promote or maintain the DP cell in anagen phase.

53. (New) The cell culture of claim 52, wherein the Wnt polypeptide is Wnt 3.

54. (New) The cell culture of claim 52, wherein the Wnt polypeptide is Wnt 4.

55. (New) The cell culture of claim 52, wherein the Wnt polypeptide is Wnt 3a.

56. (New) The cell culture of claim 52, wherein the Wnt polypeptide is Wnt 7a.

57. (New) The cell culture of claim 52, wherein the Wnt polypeptide is Wnt 7b.

58. (New) The cell culture of claim 34, wherein the DP cell is isolated.

59. (New) The cell culture of claim 35, wherein the DP cell is isolated.

60. (New) The cell culture of claim 48, wherein the DP cell is isolated.

61. (New) The cell culture of claim 49, wherein the DP cell is isolated.

62. (New) The cell culture of claim 50, wherein the DP cell is isolated.

63. (New) The cell culture of claim 51, wherein the DP cell is isolated.

64. (New) The cell culture of claim 52, wherein the DP cell is isolated.

65. (New) The cell culture of claim 53, wherein the DP cell is isolated.

66. (New) The cell culture of claim 54, wherein the DP cell is isolated.

67. (New) The cell culture of claim 55, wherein the DP cell is isolated.

68. (New) The cell culture of claim 56, wherein the DP cell is isolated.

69. (New) The cell culture of claim 57, wherein the DP cell is isolated.

70. (New) The cell culture of claim 34, wherein the Wnt polypeptide is recombinant.

71. (New) The cell culture of claim 35, wherein the Wnt polypeptide is recombinant.

72. (New) The cell culture of claim 48, wherein the Wnt polypeptide is recombinant.

73. (New) The cell culture of claim 49, wherein the Wnt polypeptide is recombinant.

74. (New) The cell culture of claim 50, wherein the Wnt polypeptide is recombinant.

75. (New) The cell culture of claim 51, wherein the Wnt polypeptide is recombinant.

76. (New) The cell culture of claim 52, wherein the Wnt polypeptide is recombinant.

77. (New) The cell culture of claim 53, wherein the Wnt polypeptide is recombinant.

78. (New) The cell culture of claim 54, wherein the Wnt polypeptide is recombinant.

79. (New) The cell culture of claim 55, wherein the Wnt polypeptide is recombinant.

80. (New) The cell culture of claim 56, wherein the Wnt polypeptide is recombinant.

81. (New) The cell culture of claim 57, wherein the Wnt polypeptide is recombinant.

82. (New) The cell culture of claim 34, wherein the Wnt polypeptide has been exogenously added to the cell culture.

83. (New) The cell culture of claim 35, wherein the Wnt polypeptide has been exogenously added to the cell culture.

84. (New) The cell culture of claim 48, wherein the Wnt polypeptide has been exogenously added to the cell culture.

85. (New) The cell culture of claim 49, wherein the Wnt polypeptide has been exogenously added to the cell culture.

86. (New) The cell culture of claim 50, wherein the Wnt polypeptide has been exogenously added to the cell culture.

87. (New) The cell culture of claim 51, wherein the Wnt polypeptide has been exogenously added to the cell culture.

88. (New) The cell culture of claim 52, wherein the Wnt polypeptide has been exogenously added to the cell culture.

89. (New) The cell culture of claim 53, wherein the Wnt polypeptide has been exogenously added to the cell culture.

90. (New) The cell culture of claim 54, wherein the Wnt polypeptide has been exogenously added to the cell culture.

91. (New) The cell culture of claim 55, wherein the Wnt polypeptide has been exogenously added to the cell culture.

92. (New) The cell culture of claim 56, wherein the Wnt polypeptide has been exogenously added to the cell culture.

93. (New) The cell culture of claim 57, wherein the Wnt polypeptide has been exogenously added to the cell culture.

94. (New) The cell culture of claim 34, further comprising a cell that expresses the Wnt polypeptide.

95. (New) The cell culture of claim 35, further comprising a cell that expresses the Wnt polypeptide.

96. (New) The cell culture of claim 48, further comprising a cell that expresses the Wnt polypeptide.

97. (New) The cell culture of claim 49, further comprising a cell that expresses the Wnt polypeptide.

98. (New) The cell culture of claim 50, further comprising a cell that expresses the Wnt polypeptide.

99. (New) The cell culture of claim 51, further comprising a cell that expresses the Wnt polypeptide.

100. (New) The cell culture of claim 52, further comprising a cell that expresses the Wnt polypeptide.

101. (New) The cell culture of claim 53, further comprising a cell that expresses the Wnt polypeptide.

102. (New) The cell culture of claim 54, further comprising a cell that expresses the Wnt polypeptide.

103. (New) The cell culture of claim 55, further comprising a cell that expresses the Wnt polypeptide.

104. (New) The cell culture of claim 56, further comprising a cell that expresses the Wnt polypeptide.

105. (New) The cell culture of claim 57, further comprising a cell that expresses the Wnt polypeptide.

106. (New) A cell culture comprising an isolated dermal papilla (DP) cell, cell culture medium, and a recombinant Wnt polypeptide selected from the group consisting of: Wnt 3, Wnt 3a, Wnt 4, Wnt 7a and Wnt 7b in an amount sufficient to promote or maintain the DP cell in anagen phase.

107. (Withdrawn) A method of culturing a dermal papilla (DP) cell, comprising: maintaining the cell culture of claim 52.

108. (Withdrawn) A method of promoting hair growth in a subject, comprising: providing the cell culture of claim 52, wherein the DP cell is from the subject; and grafting the DP cell from the cell culture onto the skin of the subject, thereby promoting hair growth in a subject.